

Photograph 1

◆AFM観察結果

observation result by AFM

PPSとアルミニウムとが接合した試験片のアルミニウムを溶解し、得られたPPS面を観察した。

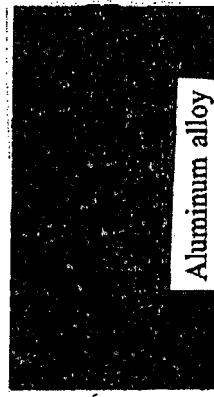
We observed the surface of PPS that dissolved only aluminum alloy in the aluminum alloy-and PPS resin composite.

PPSが微細孔へ流入していることを確認した。

PPS spread in the fine recesses and confirmed that filled up the fine recesses with this photograph.



The aluminum alloy dissolution



(協力) 東ソー分析センター

Analysis center in Tosoh Corporation

PPS spread in the fine recesses and confirmed that filled up the fine recesses

接合強度が低い成形条件での微細孔流入状態の確認

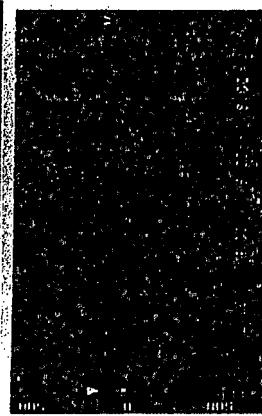
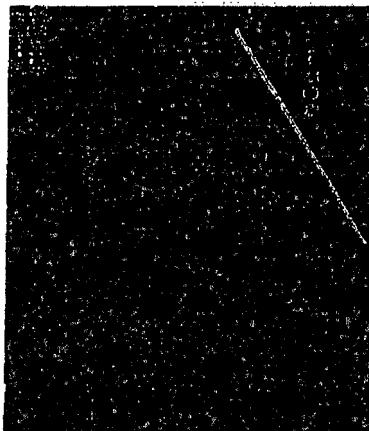
Observation by various molding conditions when filled up the fine recesses

PPS-アルミニウム接合片のアルミニウムを溶解し、得られたPPS面のAFM観察

We observed the surface of PPS by AFM that dissolved only aluminum alloy in the aluminum alloy and PPS resin composite.

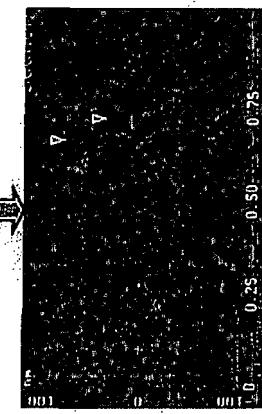
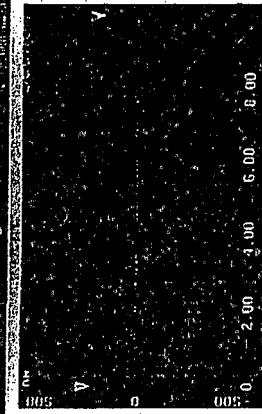
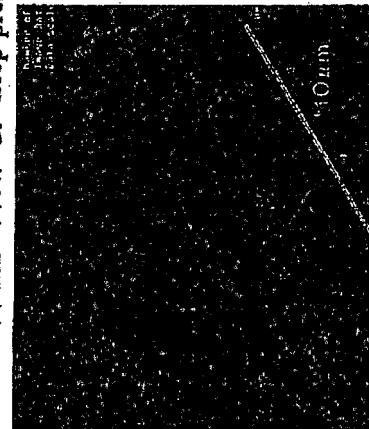
Keep pressure after a injection 通常保圧 68MPa

at t_1 (General pressure)



接合強度 27MPa

The shear breaking strength



21MPa

Confidential TP091013#09 photograph 2

#09

ograph 2